

Docket No.: KNAUFF-8
Appl. No.: 10/775,816

**AMENDMENTS TO THE SPECIFICATION WITH MARKINGS TO SHOW
CHANGES MADE**

Change the title to read: -- ELECTRIC MACHINE WITH IMPROVED
TEMPERATURE MONITORING SYSTEM --.

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REMARKS

The last Office Action of November 25, 2005 has been carefully considered. Reconsideration of the instant application in view of the foregoing amendments and the following remarks is respectfully requested.

Claims 1-10 are pending in the application. No claims have been amended, canceled, or added.

It is noted that the drawings are objected to because of applicant's failure to show every feature set forth in the claims.

Claims 1-10 stand rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Pat. No. 5,917,428 to Discenzo.

OBJECTION TO THE DRAWING

The objection to the drawing is respectfully traversed.

The "rotating component and component operating under voltage", as set forth in claim 3, may relate to the "rotor 7" shown in Fig. 1. The "infrared measuring system" is shown in Fig. 1 by the elements labeled with reference numerals 2 ("infrared detector") and 4 ("evaluation device"). The "operating parameter" are related to in Fig. 2. It is applicant's contention that the specification is clear on this point and the drawings are sufficient to show what is the invention claimed.

Withdrawal of the objection to the drawing is thus respectfully requested.

REJECTION UNDER 35 U.S.C. §102(b)

The rejection under 35 U.S.C. 102(b) is respectfully traversed.

The present invention, as set forth in claim 1, is directed to an electric machine having a temperature sensor for **contactless** determination and/or measurement of heat that radiates from a machine component.

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The Examiner substantiates the rejection based on Discenzo by asserting that the temperature sensors in Discenzo are "*constructed [] for contactless determination and/or measurmenet of heat []*". This broad conclusory statement was made without any reference to a particular passage in Discenzo. In fact, Discenzo teaches the opposite of what is claimed in claim 1. Reference is made, for example, to col. 4, lines 36-40, where it is described:

Each of the temperature sensors are preferably embedded into the target apparatus such as by drilling a hole into the stator core for providing a space to lodge the stator temperature sensor 84. After the stator temperature sensor 84 is lodged into the hole provided therefore in the stator, a suitable epoxy material is disposed into the hole to fill the void providing a good mechanical and thermal connection between the stator temperature sensor 84 and the stator core into which the sensor is embedded. Similarly, each of the bearing temperature sensors 82, 86 are preferably embedded into their respective bearing components.

Thus, Discenzo describes in effect a direct connection between the temperature sensor and the part to be measured.

For the reasons set forth above, it is applicant's contention that Discenzo neither teaches nor suggests the features of the present invention, as recited in claim 1.

As for the rejection of the retained dependent claims, these claims depend on claim 1, share its presumably allowable features, and therefore it is respectfully submitted that these claims should also be allowed.

It should, however, be noted that these dependent claims contain individual patentable features per se. In this connection, applicant wishes to refer e.g. to claim 4 which sets forth the inclusion of an infrared measuring system in the temperature radiation detector. Again, the Examiner made a broad conclusory statement that Discenzo also discloses a radiation detector which includes an infrared measuring system, without any reference to a particular

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passage in Discenzo. A perusal of the Discenzo disclosure by applicant failed to reveal any reference to an infrared measuring system.

Withdrawal of the rejection of claims 1-10 under 35 U.S.C. §102(b) and allowance thereof are thus respectfully requested.

CITED REFERENCES

Applicant has also carefully scrutinized the further cited prior art and finds it without any relevance to the newly submitted claims. It is thus felt that no specific discussion thereof is necessary.

CLARIFICATION AMENDMENT

Applicant has amended the title to correct an obvious typographic error. This change is self-explanatory and do not contain any new matter.

CONCLUSION

Applicant believes that when reconsidering the claims in the light of the above comments, the Examiner will agree that the invention is in no way properly met or anticipated or even suggested by any of the references however they are considered.

None of the references discloses an electric machine having a temperature sensor for **contactless** determination and/or measurement of heat that radiates from a machine component.

In view of the above presented remarks and amendments, it is respectfully submitted that all claims on file should be considered patentably differentiated over the art and should be allowed.

Reconsideration and allowance of the present application are respectfully requested.

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Should the Examiner consider necessary or desirable any formal changes anywhere in the specification, claims and/or drawing, then it is respectfully requested that such changes be made by Examiner's Amendment, if the Examiner feels this would facilitate passage of the case to issuance. If the Examiner feels that it might be helpful in advancing this case by calling the undersigned, applicant would greatly appreciate such a telephone interview.

Respectfully submitted,

By: 

Henry M. Feiereisen
Agent For Applicant
Reg. No: 31,084

Date: February 21, 2006
350 Fifth Avenue
Suite 4714
New York, N.Y. 10118
(212)244-5500
HMF:af